

# Introduction to the NIDIS Predictions and Forecasts Working Group

NOAA OAR CPO Drought Task Force 3 Teleconference  
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# NIDIS Working Groups Overview

- National Integrated Drought Information System (NIDIS)
- One component of the overall NIDIS infrastructure was the establishment of 6 working groups to help address issues from the NIDIS Program Office (NPO) and to meet identified NIDIS goals and outlined objectives

## NIDIS Working Groups:

- Observations and Monitoring
- Interdisciplinary Research and Applications
- Engaging Preparedness Communities
- Public Awareness and Education
- **Predictions and Forecasts**
- NIDIS Drought Portal

# Predictions and Forecasts WG

## WG Role:

Act as a broker in the transition zone between prediction research and authoritative official operational outlooks to ensure:

- (1) Proper coordination is performed to make this linkage to infuse promising tools and information are included in operational services
- (2) Coordinate across federal agencies on NOAA Drought Task Force reports and recommendations
- (3) Interface with regional Drought Early Warning Systems (DEWS) to attempt to address their requirements to the extent current science can support

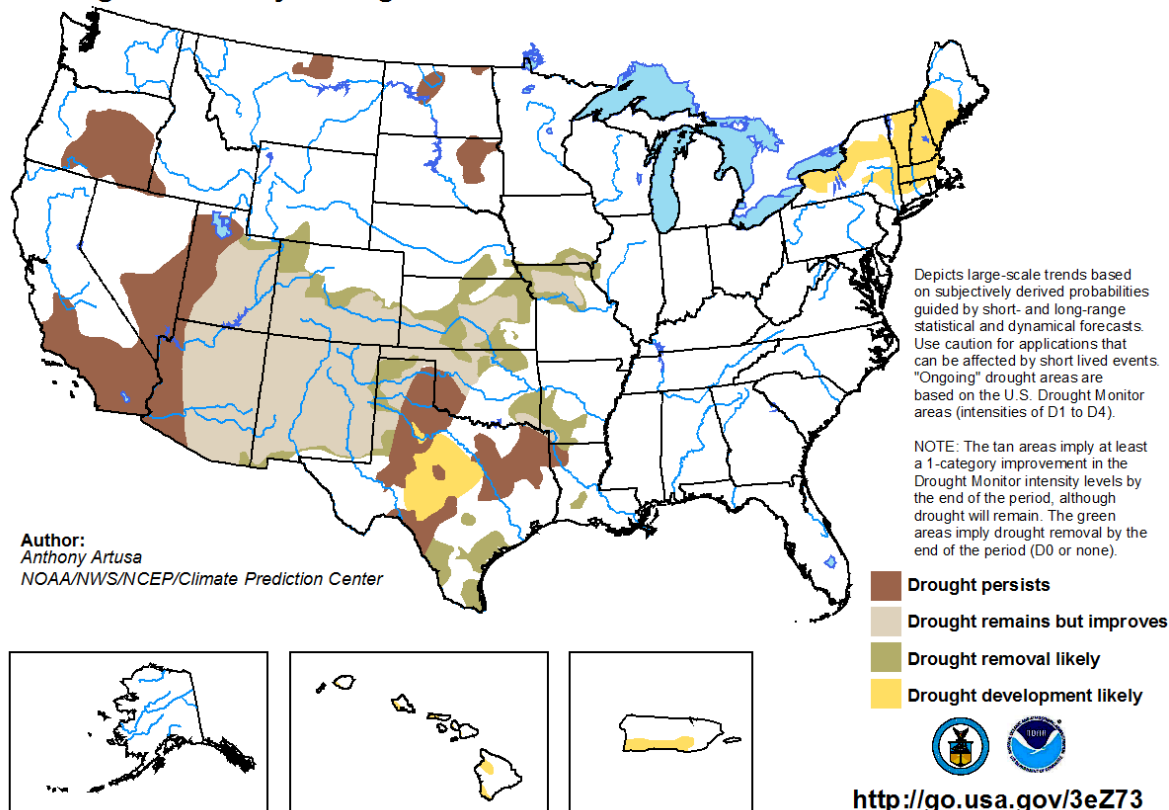
# Predictions and Forecasts WG

## WG Objective:

To incrementally improve the current CPC monthly / seasonal drought outlooks with consideration for extending service to longer leads

### ***U.S. Seasonal Drought Outlook*** Drought Tendency During the Valid Period

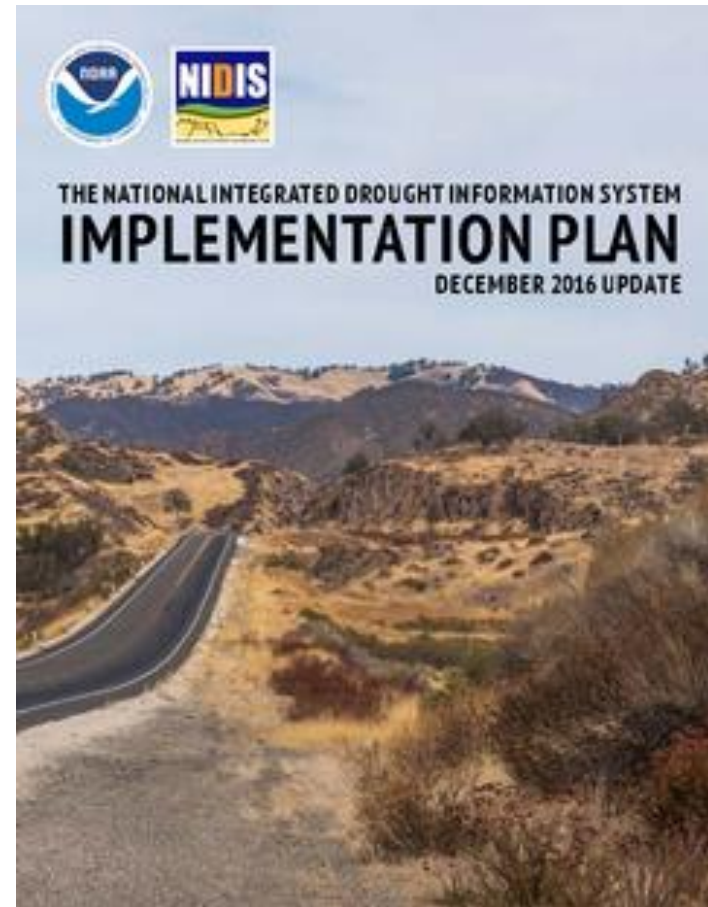
*Valid for June 21 - September 30, 2018*  
*Released June 21, 2018*



# Predictions and Forecasts WG

## Focus Areas:

- Assess available simulations for their subseasonal to seasonal climate variability and drought impact;
- Advance flash drought understanding/prediction;
- Pursue dynamical model post processing strategies;
- Infuse latest land surface initial conditions in operational modeling;
- Assess decadal drought prediction;
- Strengthen communication with operational drought forecasters



# Current WG Membership

- Jon Gottschalck (**co-chair**) – NOAA / Climate Prediction Center
- *Vacant* (**co-chair**)
- Muthu Chelliah – NOAA / Climate Prediction Center
- Randy Koster – NASA / Goddard Space Flight Center
- David Miskus – NOAA / Climate Prediction Center
- Christa Peters-Lidard – NASA / Goddard Space Flight Center
- Duane Waliser – NASA / Jet Propulsion Laboratory
- Wanru Wu – NOAA / National Water Center
- *USGS member* *U.S. Geological Survey*
- *USACE member* *U.S. Army Corps of Engineers*
- Yun Fan – NOAA / Climate Prediction Center